

## **§ 3275.12**

(1) Keep the facility in proper operating condition at all times;

(2) Conduct training during your operation which ensure your personnel are capable of performing emergency procedures quickly and effectively;

(3) Use properly maintained equipment; and

(4) Use operational practices which allow for quick and effective emergency response.

(b) Base the design of the utilization facility siting and operation on sound engineering principles and other pertinent geologic and engineering data; and,

(c) Prevent waste of, or damage to, geothermal and other energy and minerals resources.

(d) Comply with the requirements of 43 CFR 3200.4.

## **§ 3275.12 What environmental and safety requirements apply to facility operations?**

(a) You must perform all utilization facility operations to:

(1) Protect the quality of surface and subsurface waters, air, and other natural resources, including wildlife, soil, vegetation, and natural history;

(2) Prevent unnecessary or undue degradation of the lands;

(3) Protect the quality of cultural, scenic and recreational resources;

(4) Accommodate other land uses as much as possible;

(5) Protect people and wildlife from unacceptable levels of noise;

(6) Prevent injury; and

(7) Prevent damage to property.

(b) You must monitor facility operations to identify and address local environmental resources and concerns associated with your facility or lease operations.

(c) You must remove or, with BLM approval, properly store all equipment and materials not in use.

(d) You must properly abandon and reclaim any disturbed surface to standards approved or prescribed by us, when the land is no longer needed for facility construction or operation.

(e) When we require, you must submit a contingency plan describing procedures to protect public health and safety, property, and the environment.

## **43 CFR Ch. II (10–1–02 Edition)**

(f) You must comply with the requirements of 43 CFR 3200.4.

## **§ 3275.13 Does the facility operator have to measure the geothermal resources?**

Yes, the facility operator must:

(a) Measure all production, injection and utilization in accordance with methods and standards we approve (see 43 CFR 3275.15); and

(b) Maintain and test all metering equipment. If your equipment is defective or out of tolerance, you must promptly recalibrate, repair, or replace it. Determine the amount of production and/or utilization in accordance with the methods and procedures we approve (See 43 CFR 3275.17).

## **§ 3275.14 What aspects of my geothermal operations must I measure?**

(a) For all well operations, you must measure wellhead flow, wellhead temperature, and wellhead pressure.

(b) For all electrical generation facilities, you must measure:

(1) Steam and/or hot water flow into the facility;

(2) Temperature of the water and/or steam into the facility;

(3) Pressure of the water and/or steam into the facility;

(4) Gross electricity generated;

(5) Net electricity at the facility tailgate;

(6) Electricity delivered to the sales point; and

(7) Temperature of the steam and/or hot water exiting the facility.

(c) For direct use facilities, you must measure:

(1) Flow of steam and/or hot water;

(2) Temperature into the facility; and

(3) Temperature out of the facility.

(d) We may also require additional measurements depending on the type of facility, the type and quality of the resource, and the terms of the sales contract.

## **§ 3275.15 How accurately must I measure my production and utilization?**

It depends on whether you use the meter in calculating Federal production or royalty, and what quantity of resource you are measuring.

(a) For meters that you use to calculate Federal royalty: